## BIRLA INSTITUTE OF TECHNOLOGY, MESRA, RANCHI (END SEMESTER EXAMINATION)

CLASS: BRANCI			SEMESTER : I SESSION : MO/19	
SUBJECT: CL612 COMPOSITE MANUFACTURING TECHNOLOGY TIME: 3:00 HOURS FULL MAR		FULL MARKS: 50		
<ul> <li>INSTRUCTIONS:</li> <li>1. The question paper contains 5 questions each of 10 marks and total 50 marks.</li> <li>2. Attempt all questions.</li> <li>3. The missing data, if any, may be assumed suitably.</li> <li>4. Before attempting the question paper, be sure that you have got the correct question paper.</li> <li>5. Tables/Data hand book/Graph paper etc. to be supplied to the candidates in the examination hall.</li> </ul>				
Q.1(a)	composite.			[5]
Q.1(b)				[5]
Q.2(a) Q.2(b)	Demonstrate the basics steps of manufacturing carbon fibre from PAN precursor. Distinguish between two different types of glass fibre manufacturing techniques.			[5] [5]
Q.3(a) Q.3(b)	• •			[5] [5]
Q.4(a)	different lengths.		ber stress for fibers of	[5]
Q.4(b)				[5]
Q.5(a) Q.5(b)			[5] [5]	

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